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JP8127890A: PRODUCTION OF HIGH PURITY COBALT

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Application Number: JP1995000080830
IPC Class: C25C 001/08;
Priority Number(s): JP1994000239714
Abstract: **Purpose:** To stably and easily produce a high purity cobalt suitable to application for target material or the like and having purity of 5N (99.999%) in which the contents of impurities such as Ni and Fe are minimized.
Constitution: Aq. cobalt chloride soln. containing at least Fe and/or Ni as impurities and having 7-12N hydrochloric acid concn. is brought into contact with an anion exchange resin to adsorb the cobalt, then the cobalt is eluted by using 1-6N hydrochloric acid, and the obtained eluted liq. is evaporated and dried up, then the aq. soln. is controlled to pH0-6, and electrodeposition cobalt is produced by electrolysis using this aq. soln. as an electrolyte, if necessary the electrodeposition cobalt is subjected to vacuum melting.
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Foreign References: none
(No patents reference this one)



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